

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/526,475B  
Source: 1 Fwd  
Date Processed by STIC: 10/5/06

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWO

## RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/526,475B

TIME: 12:39:31

Input Set : A:\JJ 5203.ST25.txt

Output Set: N:\CRF4\10052006\J526475B.raw

3 <110> APPLICANT: Arndt, Gregory Martin  
 4 Cairns, Murray  
 5 Tran, Nham  
 6 Lai, Angela  
 8 <120> TITLE OF INVENTION: METHODS USING dsDNA TO MEDIATE RNA INTERFERENCES (RNAI)  
 10 <130> FILE REFERENCE: JJ 5203  
 12 <140> CURRENT APPLICATION NUMBER: US 10/526,475B  
 C--> 13 <141> CURRENT FILING DATE: 2005-03-03  
 15 <150> PRIOR APPLICATION NUMBER: PCT/AU2003/001142  
 16 <151> PRIOR FILING DATE: 2003-09-04  
 18 <150> PRIOR APPLICATION NUMBER: AU 2003901481  
 19 <151> PRIOR FILING DATE: 2003-03-26  
 21 <150> PRIOR APPLICATION NUMBER: AU 2002951224  
 22 <151> PRIOR FILING DATE: 2002-09-04  
 24 <160> NUMBER OF SEQ ID NOS: 32  
 26 <170> SOFTWARE: PatentIn version 3.3  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 58  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: Artificial Sequence  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 37 <220> FEATURE:  
 38 <221> NAME/KEY: misc\_feature  
 39 <222> LOCATION: (18)..(18)  
 40 <223> OTHER INFORMATION: u = deoxyribouridine base  
 42 <400> SEQUENCE: 1  
 43 tgtggtgatt cgtcgacuga ctccagtggg aatctacgtc gagtctcttg aactcgac 58  
 46 <210> SEQ ID NO: 2  
 47 <211> LENGTH: 17  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 54 <400> SEQUENCE: 2  
 55 tgtggtgatt cgtcgac 17  
 58 <210> SEQ ID NO: 3  
 59 <211> LENGTH: 19  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Artificial Sequence  
 63 <220> FEATURE:  
 64 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 66 <400> SEQUENCE: 3

Does Not Comply  
Corrected Diskette Needed

see pp 5-6

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Input Set : A:\JJ 5203.ST25.txt

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67 gactccagt gtaatctac 19
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 21
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Synthetic oligonucleotide
78 <400> SEQUENCE: 4
79 gtcgagtctc ttgaactcga c 21
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 58
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Synthetic oligonucleotide
91 <220> FEATURE:
92 <221> NAME/KEY: misc_feature
93 <222> LOCATION: (18)..(18)
94 <223> OTHER INFORMATION: n = deoxyribouridine base
96 <220> FEATURE:
97 <221> NAME/KEY: misc_feature
98 <222> LOCATION: (19)..(37)
99 <223> OTHER INFORMATION: n = a, c, g, or t
101 <400> SEQUENCE: 5
W--> 102 tgtggtgatt cgtcgacunn nnnnnnnnnn nnnnnnngtc gagtctcttg aactcgac 58
105 <210> SEQ ID NO: 6
106 <211> LENGTH: 52
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Synthetic oligonucleotide
113 <400> SEQUENCE: 6
114 tcgaccggca agctgaccct gaagttcgct tcagggtcag cttgccgttt tt 52
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 51
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Synthetic oligonucleotide
125 <400> SEQUENCE: 7
126 ctagaaaaac ggcaagctga ccctgaagcg aacttcaggg tcagcttgcc g 51
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 31
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Synthetic oligonucleotide
137 <400> SEQUENCE: 8
138 gcgcctcgag atagggaatt cgagctcggt a 31

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## RAW SEQUENCE LISTING

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Input Set : A:\JJ 5203.ST25.txt

Output Set: N:\CRF4\10052006\J526475B.raw

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141 <210> SEQ ID NO: 9
142 <211> LENGTH: 30
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Synthetic oligonucleotide
149 <400> SEQUENCE: 9
150 gcgcggatcc ttgtaaacga cggccagtgc 30
153 <210> SEQ ID NO: 10
154 <211> LENGTH: 45
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Synthetic oligonucleotide
161 <400> SEQUENCE: 10
162 tcgactcaag ttataccctt gccgatagac tgcttacatt taaat 45
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 45
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic oligonucleotide
173 <400> SEQUENCE: 11
174 ctagatttaa atgtaagcag tctatcggca agggataaac ttgag 45
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 63
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Synthetic oligonucleotide
185 <400> SEQUENCE: 12
186 cggtgattcc gtcgaccaa aagactccag tggtaatcta ctttttctag aggtaacagg 60
188 cgc 63
191 <210> SEQ ID NO: 13
192 <211> LENGTH: 17
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Synthetic oligonucleotide
199 <400> SEQUENCE: 13
200 gcgcctgtta cctctag 17
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 34
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetic oligonucleotide
211 <400> SEQUENCE: 14
212 gcctgcagga tatttgcatt tcgctatggt ctgg 34

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/526,475B

TIME: 12:39:31

Input Set : A:\JJ 5203.ST25.txt

Output Set: N:\CRF4\10052006\J526475B.raw

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215 <210> SEQ ID NO: 15
216 <211> LENGTH: 34
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Synthetic oligonucleotide
223 <400> SEQUENCE: 15
224 gctctagaga gtggtctcat acagaactta taag 34
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 34
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Synthetic oligonucleotide
235 <400> SEQUENCE: 16
236 tcgacaaaaa cggcaagctg accctgaagt tttt 34
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 35
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Synthetic oligonucleotide
247 <400> SEQUENCE: 17
248 ctcagaaaaa cttcagggtc agcttgccgt ttttg 35
251 <210> SEQ ID NO: 18
252 <211> LENGTH: 63
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Synthetic oligonucleotide
260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <222> LOCATION: (23)..(41)
263 <223> OTHER INFORMATION: n = a, c, g, or t
265 <400> SEQUENCE: 18
W--> 266 cggtgattcc ctcgagcaaa aannnnnnnnn nnnnnnnnnn ntttttctag aggtaacagg 60
268 cgc 63
271 <210> SEQ ID NO: 19
272 <211> LENGTH: 31
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Synthetic oligonucleotide
279 <400> SEQUENCE: 19
280 gcgcaagctt atagggaatt cgagctcggt a 31
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 31
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/526,475B

TIME: 12:39:31

Input Set : A:\JJ 5203.ST25.txt

Output Set: N:\CRF4\10052006\J526475B.raw

```

288 <220> FEATURE:
289 <223> OTHER INFORMATION: Synthetic oligonucleotide
291 <400> SEQUENCE: 20
292 gcgctctaga ggtgtttcgt cctttccaca a
295 <210> SEQ ID NO: 21
296 <211> LENGTH: 34
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Synthetic oligonucleotide
303 <400> SEQUENCE: 21
304 ctagaaaaaac ttcagggtca gcttgccggt tttg
307 <210> SEQ ID NO: 22
308 <211> LENGTH: 34
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Synthetic oligonucleotide
315 <400> SEQUENCE: 22
316 tcgacaaaaa gactccagt gtaatctact tttt
319 <210> SEQ ID NO: 23
320 <211> LENGTH: 34
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Synthetic oligonucleotide
327 <400> SEQUENCE: 23
328 ctagaaaaag tagattacca ctggagtctt tttg
331 <210> SEQ ID NO: 24
332 <211> LENGTH: 21
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
W--> 336 <220> FEATURE: Combination RNA with DNA (dT added)
337 <223> OTHER INFORMATION: Synthetic oligonucleotide;
W--> 340 <220> FEATURE:
341 <221> NAME/KEY: misc_feature
342 <222> LOCATION: (20)..(21)
343 <223> OTHER INFORMATION: n = t
345 <400> SEQUENCE: 24
W--> 346 cggcaagcug acccugaagn n
349 <210> SEQ ID NO: 25
350 <211> LENGTH: 21
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence
W--> 354 <220> FEATURE: Combination RNA with DNA (dT added)
355 <223> OTHER INFORMATION: Synthetic oligonucleotide
W--> 358 <220> FEATURE:
359 <221> NAME/KEY: misc_feature
360 <222> LOCATION: (20)..(21)

```

31

34

34

34

move this to <223> line

← add a semicolon before moving it

down

Per 1.823 of the

Sequence Rules,

21 the

statement

regarding a

combined DNA/RNA

sequence goes on

the <223> line.

<220> is a "header" only;

it never has

a response. 10/5/2006

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/526,475B

DATE: 10/05/2006  
TIME: 12:39:32

Input Set : A:\JJ 5203.ST25.txt  
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*FYI*  
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37  
Seq#:18; N Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:24; N Pos. 20,21  
Seq#:25; N Pos. 20,21  
Seq#:26; N Pos. 20,21

**VERIFICATION SUMMARY**

DATE: 10/05/2006

PATENT APPLICATION: US/10/526,475B

TIME: 12:39:32

Input Set : A:\JJ 5203.ST25.txt

Output Set: N:\CRF4\10052006\J526475B.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:336 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:354 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:372 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0